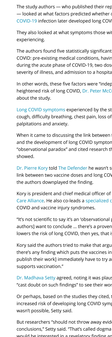
Two Doses of COVID Vaccine May Increase Risk of Long COVID Symptoms

Patients who received two doses of a COVID-19 vaccine were more likely to experience symptoms of long COVID compared with people who were unvaccinated or had received one dose, a peer-reviewed study found.

By Suzanne Burdick, Ph.D.



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People who received two doses of a COVID-19 vaccine may be more likely to get long COVID symptoms compared with those who received one or no dose, a peer-reviewed study showed.

The study authors — who published their report on Dec. 20, 2022, in PLoS One — looked at what factors predicted whether or not 487 adults who had a COVID-19 infection later developed long COVID symptoms.

They also looked at what symptoms those with long COVID reported experiencing.

The authors found five statistically significant predictors of developing long COVID: pre-existing medical conditions, having a higher number of symptoms during the acute phase of COVID-19, two doses of COVID-19 vaccination, the severity of illness, and admission to a hospital.

In other words, these five factors were "independently associated" with a heightened risk of long COVID, Dr. Peter McCullough noted in a Substack post about the study.

Long COVID symptoms experienced by the study participants included fatigue, cough, difficulty breathing, chest pain, loss of taste or smell, brain fog, heart palpitations and anxiety.

When it came to discussing the link between two doses of COVID-19 vaccination and the development of long COVID symptoms, the study authors called it an "observational paradox" and chose not to conclude that vaccines caused the illness.

Dr. Pierre Kory told The Defender he wasn't surprised the researchers found a link between two vaccine doses and long COVID — and he also wasn't surprised the authors downplayed the finding.

Kory is president and chief medical officer of the Front Line COVID-19 Critical Care Alliance. He also co-leads a specialized clinic for treating COVID-19, long COVID and vaccine injuries.

"It's not scientific to say it's an 'observational paradox,'" Kory said. "If they [the authors] want to conclude ... there's a proven conscious truth that vaccination lowers the risk of long COVID, then yes, that is a problem. But that's not what they're saying."

Kory said the authors tried to make that argument — but did a weak job. "If there's any finding which puts the vaccines in a bad light, [authors seeking to publish their work] immediately have to try and present it in a way that supports vaccination."

Dr. Madhava Setty agreed, noting it was plausible the authors felt they had to "cast doubt on such findings" to see their work in print.

Or perhaps, based on the studies they cited, the study authors believed an increased risk of developing long COVID symptoms after two COVID-19 vaccinations wasn't possible, Setty said.

But researchers "should not throw away evidence based on forgone conclusions," Setty said. That's called a dogma. ... One would think that scientists would be interested in a revelatory finding and not be dismissive about their own data."

The Defender reached out to the study's corresponding author for comment, but he did not respond by our publication deadline.

"The Wuhan Cover-Up" by Robert F. Kennedy Jr.

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Medscape reports deaths from long COVID, ignores vaccine link

As news of the study's findings spread, Medscape — a privately held company that reports medical news — on Jan. 3 reported "new CDC [Centers for Disease Control and Prevention] data" showing "thousands of US deaths" from long COVID.

Medscape's article — which was "vague" and "weak," said Kory — squarely placed the blame on COVID-19 infections and ignored evidence that vaccination is a risk factor.

Kory said he suspected the Medscape article was intended as a "distraction" from the fact that COVID-19 vaccines are increasingly linked to poor health outcomes, including death. He said:

> "This is a war of information. So it's not a shock that two weeks later, an article appears in Medscape that tries to introduce the idea that people are dying from COVID long after they had COVID."

The CDC in 2023 updated its guidance for reporting COVID-19 and long COVID on death certificates — but still fails to investigate the soaring numbers of unexpected or "excess" deaths seen since the vaccine mandates, Kory said, adding:

> "There are things they [CDC officials] could do if they honestly want to approach this from a scientific perspective with a true desire to try to understand what's going on. You would do a little bit more than just try to push COVID on death certificates."

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How COVID vaccines may lead to long COVID

The CDC broadly defines long COVID as "signs, symptoms, and conditions that continue or develop after acute COVID-19 infection."

There are at least two ways COVID-19 vaccines may lead to increased risk of long COVID, experts told The Defender.

First, antibody-dependent enhancement (ADE) is a known side effect of COVID-19 vaccination that can lead to more severe illness, according to Setty.

ADE means "raising antibodies that don't protect, but actually make a viral infection even worse," Science reported.

"The study unequivocally shows that long COVID risk is correlated with severity of disease," Setty said. "This known mechanism would therefore explain the higher risk of long COVID in vaccinated people. Their [the study authors'] observation is not as 'paradoxical' as they claim."

Kory raised the same point:

"I think the vaccinated do worse. You can't tell from U.S. data because the U.S. data is corrupted ... but when you look at other countries, Scotland, the U.K., Australia, you see pretty consistently that the vaccinated were disproportionately inside hospitals."

According to McCullough, "In my practice, the most severe cases of long-COVID are in vaccinated patients who also had severe and or multiple episodes of SARS-CoV-2 infection."

The study authors said they did not find a statistically significant interaction between the severity and vaccination — but that doesn't necessarily mean that there isn't one, Kory said. "That's a messy rabbit hole to go down."

The second way COVID-19 vaccines might increase a person's risk of long COVID is by flooding the body with additional spike protein which, in turn, could lead to persistent symptoms, Kory said.

McCullough voiced this theory, too, noting on Substack that mRNA COVID-19 vaccines produce "a massive additional load of full-length spike protein ... known to circulate in the blood for 6 months or more."

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Conflating long COVID with 'long vax'

The scientific literature on what causes long COVID is "messy," Kory said, because researchers — including the authors of this study — sometimes conflate long COVID with what's called "long vax."

Long vax syndrome refers to long-term symptoms after COVID-19 vaccination and is a different condition from long COVID, although they may share common symptoms.

Since the medical establishment has generally run with the narrative that COVID-19 vaccines are safe and effective, there are very few studies on long vax, Kory said, but the condition is very common.

"Many vaccine-injured have long vax," he said, adding that in his practice he sees roughly two cases of long vax for every case of long COVID. He explained:

> "The only way to differentiate that is by [medical] history ... patients will tell you, I got vaccinated on a Monday and then the next 10 days this happened, this happened and they're able to attribute everything to the vaccine.
>
> "Others, they attribute their symptoms to a COVID-19 infection."

If researchers do not clearly distinguish between the two, studies ostensibly on long COVID likely include people who, in fact, experienced long vax.

"So you have a really perverted and distorted literature," Kory said.

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Suzanne Burdick, Ph.D.
Suzanne Burdick, Ph.D., is a reporter and researcher for The Defender based in Fairfield, Iowa.

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hotelpower • 1 hour ago

What they are calling long covid is just vaccine injury. They will never call it that though.

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Ricky Rivardo • 1 hour ago • edited

Exactly! I was going to add it to my post, but you said it for me. How about this current heading:

"Third child dies of complications linked to influenza in B.C."

Yet, the CDC reported that "Preliminarily, there have been 2 reports of influenza-related deaths in children under age 18 during the first week of 2023." I have a different reason. *Flu shot-related deaths!* They've been pushing the covid, flu and RSV shots very aggressively (eff 3 together). I suppose that makes it a real challenge to determine which one of the shots actually killed you!

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Beatrice • 1 hour ago

All of the caseers that I know get extremely sick with a respiratory illness after each booster dose and then see way ill for weeks. I've also heard many reputable doctors on utube say that the vaccines are an increasingly worse with each successive dose.

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Ricky Rivardo • 1 hour ago

Sick after the "booster shot"? See, "Good thing I had that booster shot, or I would be even sicker. Better run out and get the next one!

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Jen321 • 1 hour ago • edited

Yeppers. Same load of S.., we hear from those who get flu shots who are sick with the flu while we unjabbed don't get sick or get over it quickly in a few days.

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Ricky Rivardo • 1 hour ago

It would seem that a number of people (at least one in my post above) don't recognize sarcasm when they see it.

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Ricky Rivardo • 1 hour ago

Why are you still referring to the mRNA bioweapon as a "vaccine"?

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InChristine • 1 hour ago • edited

I still believe that if the 'vaccine' rollout never happened, "Covid" would be a thing of the past by now. The 'variants' and continued headlines (it's nearly 4 years now!) we are regarding Covid is BIG due to the majority being given the shots.

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Jeff Dellinos • 1 hour ago

They keep piling the mumum higher and higher. There was no covid-19. It was the greatest propaganda campaign in human history to date. The flu shot is a joke. It was a genetic modification to change a normal coronavirus to have the spike protein. It was a genetic gene gun/cell coupon flame out. So the headline of this article should read, "People who took two shots of the glop tend to have higher rates of unpleasant and enduring symptoms." What a freaking surprise.

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Ricky Rivardo • 1 hour ago

You would have thought that when the talking heads told us that the covid and flu had disappeared for 2 years, because the "covid shot" was "protecting" us well, people would have questioned it. Then again, *most* people today never question anything!

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Huskerfan • 1 hour ago • edited

I'm not sure I've been unvaxxed. Took all the supplements to boost our immunity. Vaccine? Used to think covid was "just the flu" but I got sick with it. It was not ordinary flu rebranded. I have had ordinary flu and this was nothing like ordinary flu. I have NEVER been so sick in my life as I was with covid in March of 2022. After 2 and a half weeks of being so ill I could not get out of bed, had severe body aches, could not eat, had diarrhea and was so weak I could barely walk, I made a decision to not stay home bound for 10 and I wasn't dying so I got up. The fog may have started as the flu but was headed it somehow to be much worse. "Gain of function" for sure. It took me a month after getting home to get my strength back, another month to rid myself of the brain fog, and be able to even walk around the block. I'm not sure what was in the shot I got, but I'm pretty sure it was graphene. SOMETHING again because 2 years into covid it should not have been so bad. 6 months after recovery my hair started falling out and that continued for 6 weeks. No, NOT the ordinary flu.

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Jen321 • 1 hour ago • edited

Yours began how an overlunder for how long before the study is retracted?

Download your PDF while you can, like the military study that found flu shots to increase the risk of coronavirus infections that has been thoroughly scrubbed from the net.

But really, didn't it seem brilliant to design a sh-t that trains the body to produce the most unsurgically dangerous disease of the virus? What a genius plan, eh wrong?

We have perverted and distorted so-called health care, which is definitely bent done by myself.

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Amelie Vulpis • 1 hour ago • edited

I did, yeah and 10 of us powerful and intended.

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mamabird • 1 hour ago

I think Dr. Kory is a very reputable source. I've been following his work since early in the pandemic. I've also been following the work of Dr. Peter McCullough. I think Dr. Kory's theory that it is more prevalent than Long Covid and often discovered by the fact that those with the spike syndrome have been both vaccinated and ill with an upper respiratory infection in proximity to the onset of their symptoms. He believes the vaccine is the source. A source in the body's inability to clear the spike protein, whether this was due to infection or vaccination or both.

I noticed something interesting on Twitter the other day. There's a very vocal contingent of people who are claiming that they've had long Covid symptoms and have been vaccinated and boosted. They're very angry that they've been vaccinated and boosted and still got Covid. One person who posts very prominently on this subject multiple times every day admitted the other day that she had been vaccinated and boosted and had developed long Covid. It was very similar to what he claims is usually long Covid. We can debate where the prevalence lies, but I think it is promising that this loony bird sees an opportunity for alliance between Long Covid and Long Vax sufferers to find a solution.

Most notably, they give doors not seem to be particularly enamored of the vaccine. I think a lot of those who believe they have long Covid partially blame the false promise of a vaccine but don't want for causing them to be told into a false sense of security. I think there's an opportunity here. The lowest the people that this be exclusively the result of

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